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PHILIP MORRIS

U.S.A.   AUG 14 1995

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August 10, 1995

Dr. William L. Steele
Tobacco Institute Testing Laboratory
2 Taft Court, Suite 201
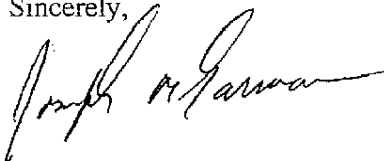Rockville, Maryland 20850

Dear Dr. Steele:

The results for the seven samples for the Fifteenth Interlab Comparison Study are listed below. The samples were analyzed for tar and nicotine via FTC methodology over ten runs, two runs smoked on each of five days (July 31 through August 4). The samples were analyzed for carbon monoxide on a five-port smoking machine attached to a FTIR (one CO value per run). As I relayed to you in our telephone conversation today, IM#15 was inadvertently substituted for IM#14 for Sample C7.

	C1 Carlton KS SP	C2 Winston Ultra Lt KS SP	C3 GPC Lt KS SP	C4 Lark Lt 100 SP	C5 Marlboro KS SP	C6 Newport Menthol 100 SP	C7 Industry Monitor *15*
Tar (mg/cigt)	1.3	6.0	9.7	10.6	16.3	17.9	18.0
Standard Deviation	0.24	0.35	0.44	0.37	0.72	0.40	0.67
Number of Values	18	20	20	18	20	19	20
TPM (mg/cigt)	1.5	7.1	11.6	13.2	20.8	22.1	23.2
Standard Deviation	0.25	0.38	0.54	0.56	1.19	0.48	1.11
Number of Values	18	20	20	18	20	19	20
Nicotine (mg/cigt)	0.14	0.54	0.66	0.74	1.18	1.35	1.24
Standard Deviation	0.010	0.027	0.032	0.031	0.046	0.031	0.053
Number of Values	18	20	20	18	20	19	20
Water (mg/cigt)	0.08	0.53	1.21	1.88	3.37	2.82	4.02
Standard Deviation	0.029	0.059	0.104	0.229	0.52	0.15	0.48
Number of Values	18	20	20	18	20	19	20
Puffs/cigt	7.1	8.0	7.8	8.4	9.1	9.2	9.3
Standard Deviation	0.19	0.17	0.25	0.24	0.27	0.19	0.22
Number of Values	18	17	19	18	20	17	20
CO	1.5	7.5	11.9	10.7	14.0	18.0	16.6
Standard Deviation	0.08	0.32	0.19	0.38	0.32	0.18	0.36
Number of Values	4	4	4	4	4	4	4

DOC CODE: P0622   Page 1 of 10

MARLBORO BENSON & HEDGES MERIT VIRGINIA SLIMS PARLIAMENT LIGHTS PLAYERS SARATOGA CAMBRIDGE ALPINE MULTIFILTER

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The raw data are attached. The tables display all obtained data. The results were calculated deleting those smoking ports identified as an outlier per the Median Absolute Deviation (MAD) outlier test. The MAD outlier test is only performed on the tar, nicotine, and puff count data. If the data for tar and/or nicotine are identified as an outlier, all data associated with the specific smoking port are deleted. If a puff count is identified as an outlier, only that puff count is deleted.

If you have any questions concerning this data, please do not hesitate to contact me.

Sincerely,

Joseph M. Garman
Section Leader
Product Testing Laboratory
(804) 274-3505

Attachments

cc: J. Y. Lewis
        J. F. Whidby
        Central Files
        PTL Files